



**BLUE ROCK  
ENVIRONMENTAL, INC.**

**FILE COPY**

Mr. Mark Verhey  
Humboldt County Health Department  
Division of Environmental Health  
100 H Street, Suite 100  
Eureka, California 95501

January 5, 2006

**Re: Fourth Quarter 2005 Groundwater Monitoring Report**  
Former Totem Pole Market  
580 South Fortuna Boulevard, Fortuna, CA  
HCDEH LOP No. 12028  
Blue Rock Project No. NC-40

Dear Mr. Verhey,

This report presents the results of the fourth quarter 2005 groundwater monitoring activities at 580 South Fortuna Boulevard, Fortuna, Humboldt County, California (site) (Figure 1), and was prepared for Ms. Valerie Ellis by Blue Rock Environmental, Inc. (Blue Rock).

## **Background**

### Site Description

The former Totem Pole Market is located on the corner of South Fortuna Boulevard and First Street in Fortuna, California. The site is located in an area of low topographic relief and is considered part of the Eel River flood plain (Figure 1). The site contains one single-story building. The site formerly contained two 1,000-gallon gasoline and one 550-gallon used oil underground storage tanks (USTs) (Figure 2).

### Site History

In 1977, Beacom Construction (Beacom) of Fortuna, California, on behalf of Mr. Marvin Fork, closed the two 1,000 gallon USTs in place by filling with a cement slurry under regulations of the time. In 1988, an Unauthorized Release Form was filed by Mr. Fork with Humboldt County. In 1990, LACO Associates (LACO) was retained to evaluate the site for possible overexcavation. LACO subsequently supervised the excavation of three test pits to determine the feasibility of overexcavation. In March 1994, the two 1,000-gallon gasoline USTs were removed by Haberstock Construction. At this time a third 550-gallon used oil UST was discovered and removed. The three USTs were transported to Erickson Inc of Richmond, CA. Following UST removal, approximately 180 cubic yards of petroleum hydrocarbon impacted soil was overexcavated and disposed of at B&J landfill in Vacaville, California.



### Site Investigation History

Subsurface investigation activities have been ongoing at the site since 1995. A total of approximately 27 soil borings have been drilled and six monitoring wells (MW-1 through MW-3, MW-4S, MW-4D and MW-5D) have been installed at the site (Figure 2). Groundwater monitoring has been ongoing since the wells were installed. Based on site assessment performed to date, including soil and groundwater sampling from temporary soil borings and monitoring wells, the lateral and vertical extent of petroleum hydrocarbon impact to soil and groundwater associated with the subject release has been delineated. Soil and groundwater sample data are summarized on Tables 1 and 2, respectively.

### Summary of Contaminant Type

The predominant contaminant types that have been detected in the subsurface include total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and the fuel oxygenates MTBE, TBA, ETBE, and TAME.

### Summary of Hydrogeology

Based on boring logs generated by LACO, The first couple feet below grade consists of baserock fill. The site is underlain by sediments characterized primarily as clayey silt or silty clay (CL-ML) from ~2 feet bgs to depth of ~20 feet bgs. Intermittent layers of poorly graded sands have been encountered below 13 feet bgs. Saturated conditions have been encountered from approximately 4 to 8 feet bgs and again from approximately 13 feet bgs to 20 feet bgs. Data collected by LACO supports their interpretation of a two water-bearing zone model. Based on the data presented by LACO it appears MW-1 through MW-3 are screened across two water bearing zones.

## **Groundwater Monitoring – Fourth Quarter 2005**

### Groundwater Monitoring Field and Laboratory Activities

On December 14, 2005, six wells (MW-1, MW-2, MW-3 MW-4S, MW-4D and MW-5D) were monitored. Groundwater samples were subsequently collected from MW-1, MW-4S, MW-4D and MW-5D.

Prior to sampling, an electronic water level indicator was used to gauge depth to water in each well, accurate to within  $\pm 0.01$ -foot. All wells were checked for the presence of light non-aqueous phase liquid (LNAPL) petroleum prior to purging. No measurable thicknesses of LNAPL were observed on groundwater in any of the wells.

In preparation for sampling, the wells were purged of groundwater until sampling parameters (temperature, pH, and conductivity) stabilized.



Following recovery of water levels to approximately 80% of their static levels, groundwater samples were collected from the wells using disposable polyethylene bailers and transferred to laboratory supplied containers. Sample containers were labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

Purging instruments were cleaned between use by an Alconox<sup>®</sup> wash followed by double rinse in clean tap water to prevent cross-contamination. Purge and rinse water was stored on-site in labeled 55-gallon drums pending future removal and disposal.

Groundwater monitoring and well purging information is presented on Gauge Data/Purge Calculations and Purge Data sheets (attached).

Groundwater samples were analyzed by Kiff Analytical, a DHS-certified laboratory, located in Davis, California, for the following analytes:

- TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA by EPA Method 5030/8260B.
- TPHd by EPA Method 8015 (with silica-gel clean-up on MW-1 only).

#### Groundwater Flow Direction and Gradient

Static groundwater in the wells on was present beneath the site at depths ranging from approximately 3.56 (MW-3) to 12.96 (MW-4D) feet bgs. The groundwater elevation in MW-4S, the only well screened in the shallow zone, and MW-3 screened across the shallow and deep zone were approximately 8 to 10 feet higher than groundwater elevations for all other wells at the site. Therefore, the remaining wells, which had more comparable groundwater elevations, were used to estimate groundwater flow conditions in the deeper zone.

Gauging data, combined with well elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevation and gradient maps for this event. The groundwater flow directions calculated ranged from northwest to northwest at a gradient of approximately 0.078 ft/ft. As MW-1, 2, and 3 appear to be screened across two water bearing zones, groundwater elevations in these wells may be affected by both zones thus decreasing the reliability of the monitoring data collected from these wells. Groundwater flow direction for both the shallow and deep zone can be better evaluated following installation of the discretely screened wells which will occur in late January 2006.

#### Groundwater Contaminant Analytical Results

LNAPL:	None
TPHg concentration:	<50 µg/L (MW-4S, MW-4D MW-5D) to 1,000 µg/L (MW-1)
TPHd concentration	<50 µg/L (MW-4D MW-5D) to < 500 µg/L (MW-1)
Benzene concentration:	<0.50 µg/L (MW-4S, MW-4D MW-5D) to 0.69 µg/L (MW-1)
MTBE Concentration:	<0.50 µg/L (MW-1, MW-4S, MW-4D MW-5D)



Groundwater sample analytical results are shown graphically on Figure 4. Cumulative groundwater sample analytical results are summarized in Table 1 and well construction details are summarized in Table 2. Copies of the laboratory report and chain-of-custody form are attached.

#### **Project Status and Recommendations**

- Blue Rock is in the process of obtaining access to the domestic well located at 478 S. Fortuna Blvd. This well will be sampled once access is obtained.
- Per the HCDEH letter dated December 19, 2005 Blue Rock will implement the workplan dated November 7, 2005. Drilling is planned for late January 2006.
- The questions posed by the HCDEH in the December 19, 2005 letter will be addressed in the report summarizing the upcoming drilling activities.
- The site is currently being monitored on a quarterly basis per the HCDEH directives. The next quarterly sampling event will be performed following the installation of the two nested well pairs and the destruction of MW-1, 2 and 3 (February 2006).



## Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

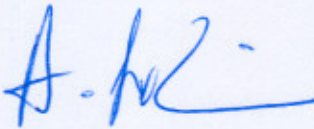
Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions regarding this project, please contact us at (707) 441-1934.

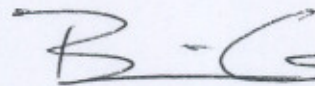
Sincerely,  
Blue Rock Environmental, Inc.

Prepared by:

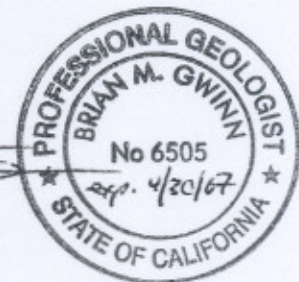


Andrew LoCicero  
Project Scientist

Reviewed by:



Brian Gwinn, PG  
Principal Geologist



Attachments:

- Table 1: Soil Analytical Data
- Table 2: Groundwater Elevations and Analytical Data
- Table 3: Well Construction Details
- Table 4: Groundwater Monitoring Schedule
- Figure 1: Site location Map
- Figure 2: Site Plan
- Figure 3: Groundwater Elevations and Gradient – 12/14/05
- Figure 4: Dissolved-Phase TPHg Distribution – 12/14/05
  
- Blue Rock Gauge/Purge Calculations and Well Purging Data field sheets
- Laboratory Analytical Reports and Chain-of-Custody Forms

Distribution:

- Val Ellis, PO Box 378, Miranda, CA 95553



**Table 1**  
**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA**  
Former Totem Pole Market  
580 South Fortuna Boulevard  
Fortuna, California  
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Pb (µg/L)
MW-1	8/12/96	98.70	13.92	0.00	84.78	1,700	<500	72	<3	24	72	<10	--	--	--	--	--
	9/9/96	98.70	14.40	0.00	84.30	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	98.70	14.40	0.00	84.30	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	98.70	6.00	0.00	92.70	1,700	110	31	<5	38	59	<5	--	--	--	--	<2
	1/9/97	98.70	4.78	0.00	93.92	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	98.70	4.92	0.00	93.78	930	330	1.8	<10	14	20	<5	--	--	--	--	--
	3/19/97	98.70	10.05	0.00	88.65	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	98.70	11.66	0.00	87.04	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	98.70	12.11	0.00	86.59	790	480	1.3	2.7	5.9	16.7	<5	--	--	--	--	--
	6/3/97	98.70	12.64	0.00	86.06	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	98.70	13.57	0.00	85.13	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	98.70	13.98	0.00	84.72	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	98.70	9.32	0.00	89.38	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	98.70	9.79	0.00	88.91	1,000	190	2.8	<2	15	<10	<5	--	--	--	--	--
	2/22/99	98.70	7.61	0.00	91.09	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	98.70	--	0.00	--	830	120	<5	<5	12	<5	<5	--	--	--	--	--
	5/3/01	98.70	12.22	0.00	86.48	4,700	300	14	<30	28	38	<30	--	--	--	--	--
	9/4/01	98.70	13.95	0.00	84.75	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	98.70	13.90	0.00	84.80	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	98.70	9.54	0.00	89.16	1,900	140	0.85	<0.5	5.5	0.74	<1	ND	3.90	ND	ND	--
	5/16/03	98.70	7.82	0.00	90.88	1,500	220	<0.5	<0.5	3.8	<5	<1	ND	4.30	ND	ND	--
	8/6/03	98.70	13.59	0.00	85.11	2,000	280	1.4	<0.5	4.4	1	<1	ND	3.0	ND	ND	--
	11/11/03	98.70	13.97	0.00	84.73	2,000	--	4.3	<0.5	3.4	1.8	<1	ND	ND	ND	ND	--
	2/17/04	98.70	5.96	0.00	92.74	2,600	290	<5	<0.5	5.0	0.53	<1	ND	ND	ND	ND	--
	5/14/04	98.70	12.31	0.00	86.39	2,200	140	1.2	<0.5	3.0	1.31	<1	ND	ND	ND	ND	--
	8/17/04	98.70	13.98	0.00	84.72	2,700	--	3.5	<0.5	3.1	0.87	<1	ND	ND	ND	ND	--
	11/30/04	98.70	13.96	0.00	84.74	2,900	--	10	<0.5	3.0	1	<1	ND	ND	ND	ND	--
	2/28/05	58.63	8.75	0.00	49.88	3,700	160	<5	<0.5	4.4	0.6	<1	ND	2.3	ND	ND	--
	5/2/05	58.63	10.17	0.00	48.46	3,200	330	0.66	<0.5	2.9	0.62	<1	ND	4.1	ND	ND	--
	8/9/05	58.63	13.15	0.00	45.48	--	--	--	--	--	--	--	--	--	--	--	--
	8/18/05	58.63	13.25	0.00	45.38	1,800	<1,000*	1.9	<0.5	1.9	<0.5	<0.5	9.7	5.2	<0.5	<0.5	--
	12/14/05	58.63	11.20	0.00	47.43	1,000	<500*	0.69	<0.5	2.5	<0.5	<0.5	8.7	5.3	<0.5	<0.5	--



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MW-2	8/12/96	99.45	17.17	0.00	82.28	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	9/9/96	99.45	14.58	0.00	84.87	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	99.45	14.56	0.00	84.89	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	99.45	4.70	--	--	<50	<500	<0.5	<0.5	<0.5	0.77	<5	ND	ND	ND	ND	0.028
	1/9/97	99.45	4.39	0.00	95.06	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	99.45	3.20	0.00	96.25	<50	<500	<0.5	<0.5	<0.5	<0.5	69	ND	ND	ND	ND	--
	3/19/97	99.45	4.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	99.45	10.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	99.45	4.79	0.00	94.66	<50	<500	<0.5	0.55	<0.5	1.59	<5	ND	ND	ND	ND	--
	6/3/97	99.45	13.80	0.00	85.65	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	99.45	14.18	0.00	85.27	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	99.45	14.18	0.00	85.27	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	99.45	13.63	0.00	85.82	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	99.45	11.57	0.00	87.88	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	2/22/99	99.45	12.65	0.00	86.80	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	99.45	8.51	0.00	90.94	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/3/01	99.45	11.64	0.00	87.81	--	--	--	--	--	--	--	--	--	--	--	--
	9/4/01	99.45	14.08	0.00	85.37	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	11/9/01	99.45	13.99	0.00	85.46	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	99.45	3.35	0.00	96.10	--	--	--	--	--	--	--	--	--	--	--	--
	5/16/03	99.45	4.72	0.00	94.73	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/03	99.45	13.70	0.00	85.75	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/03	99.45	14.04	0.00	85.41	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/04	99.45	1.22	0.00	98.23	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/14/04	99.45	12.74	0.00	86.71	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	99.45	14.20	0.00	85.25	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/04	99.45	13.03	0.00	86.42	--	--	--	--	--	--	--	--	--	--	--	--
	2/28/05	58.97	2.92	0.00	56.05	<50	<500	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/2/05	58.97	10.08	0.00	48.89	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/05	58.97	14.03	0.00	44.94	--	--	--	--	--	--	--	--	--	--	--	--
	8/18/05	58.97	14.03	0.00	44.94	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.97	8.04	0.00	50.93	--	--	--	--	--	--	--	--	--	--	--	--



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MW-3	8/12/96	98.89	16.95	0.00	81.94	<50	<200	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	9/9/96	98.89	13.93	0.00	84.96	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	98.89	14.79	0.00	84.10	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	98.89	2.54	0.00	96.35	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	1/9/97	98.89	2.58	0.00	96.31	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	98.89	2.04	0.00	96.85	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	3/19/97	98.89	2.97	0.00	95.92	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	98.89	3.31	0.00	95.58	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	98.89	2.32	0.00	96.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	6/3/97	98.89	2.55	0.00	96.34	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	98.89	10.75	0.00	88.14	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	98.89	14.14	0.00	84.75	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	98.89	0.51	0.00	98.38	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	98.89	3.32	0.00	95.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	2/22/99	98.89	1.00	0.00	97.89	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	98.89	--	--	---	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	5/3/01	98.89	2.95	0.00	95.94	--	--	--	--	--	--	--	--	--	--	--	--
	9/4/01	98.89	14.15	0.00	84.74	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	11/9/01	98.89	11.39	0.00	87.50	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	98.89	4.24	0.00	94.65	--	--	--	--	--	--	--	--	--	--	--	--
	5/16/03	98.89	3.18	0.00	95.71	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/03	98.89	14.02	0.00	84.87	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/03	98.89	2.87	0.00	96.02	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/04	98.89	0.74	0.00	98.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	ND
	5/14/04	98.89	9.12	0.00	89.77	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	98.89	14.15	0.00	84.74	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/04	98.89	3.26	0.00	95.63	--	--	--	--	--	--	--	--	--	--	--	--
	2/28/05	58.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	58.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/05	58.85	12.64	0.00	46.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.85	13.82	0.00	45.03	---	---	---	---	---	---	---	---	---	---	---	--
	12/14/05	58.85	3.56	0.00	55.29	---	---	---	---	---	---	---	---	---	---	---	--



**Table 1**  
**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA**  
Former Totem Pole Market  
580 South Fortuna Boulevard  
Fortuna, California  
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Pb (µg/L)
MW-4S	2/28/05	58.15	3.39	0.00	54.76	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	58.15	3.57	0.00	54.58	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
4' - 9'	8/9/05	58.15	4.55	0.00	53.60	<50	67	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.15	6.70	0.00	51.45	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.15	3.95	0.00	54.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
MW-4D	2/28/05	58.03	11.93	0.00	46.10	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	58.03	11.13	0.00	46.90	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
13' - 18'	8/9/05	58.03	13.22	0.00	44.81	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.03	13.66	0.00	44.37	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.03	12.96	0.00	45.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
MW-5	2/28/05	57.20	11.05	0.00	46.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	57.20	10.31	0.00	46.89	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
15' - 20'	8/9/05	57.20	12.41	0.00	44.79	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	57.20	12.86	0.00	44.34	---	---	---	---	---	---	---	---	---	---	---	---
	12/14/05	57.20	12.04	0.00	45.16	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
MCL						---		1.0	150	300	1,750	13					
Taste and odor threshold						5		---	42	29	17	5					
NCRWQCB Cleanup Goals						50		0.5	42	29	17	5					

**Notes :**

TOC: Top of well casing referenced to arbitrary site benchmark until 3/02, MSL thereafter  
DTW: Depth to water as referenced to top of casing  
SPH: Separate phase hydrocarbon on top of groundwater  
GWE: Groundwater elevation as referenced to benchmark  
µg/L = micrograms per liter  
TPHg: Total petroleum hydrocarbons as gasoline by Method 5030/8015M or 5030/8260B  
TPHd: Total petroleum hydrocarbons as diesel by Method 8015 (\* = silica-gel clean-up)  
MTBE: Methyl tertiary butyl ether by Method 8020 or 8260B

TBA: Tertiary butyl alcohol by Method 8260B  
DIPE: Di isopropyl ether by Method 8260B  
ETBE: Ethyl tertiary butyl ether by Method 8260B  
TAME: Tertiary amyl methyl ether by method 8260B  
MCL : Maximum contaminant level  
NCRWQCB : North Coast Region Water Quality Control Board



**Table 2**  
**WELL CONSTRUCTION DETAILS**  
Former Totem Pole Market  
508 South Fortuna Boulevard  
Fortuna, California  
Blue Rock Project No. NC-40

Monitoring Well Identification	Date Installed	Installed by	Casing Diameter (inches)	Total Depth (feet)	Blank Interval (feet)	Screened Interval (feet)	Slot Size (inches)	Filter Pack (feet)	Bentonite Seal (feet)	Cement Grout (feet)
MW-1	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-2	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-3	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-4S	2/5/05	Laco	2	9	0-4	4-9	0.01	3-9	1-3	0-1
MW-4D	2/5/05	Laco	2	18	0-13	13-18	0.01	12-18	10-12	0-10
MW-5	2/5/05	Laco	2	20	0-15	15-20	0.01	14-20	12-14	0-12

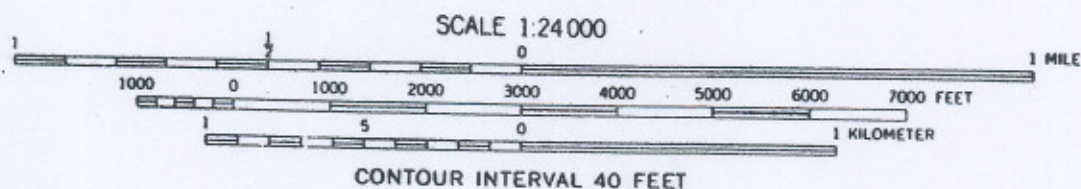
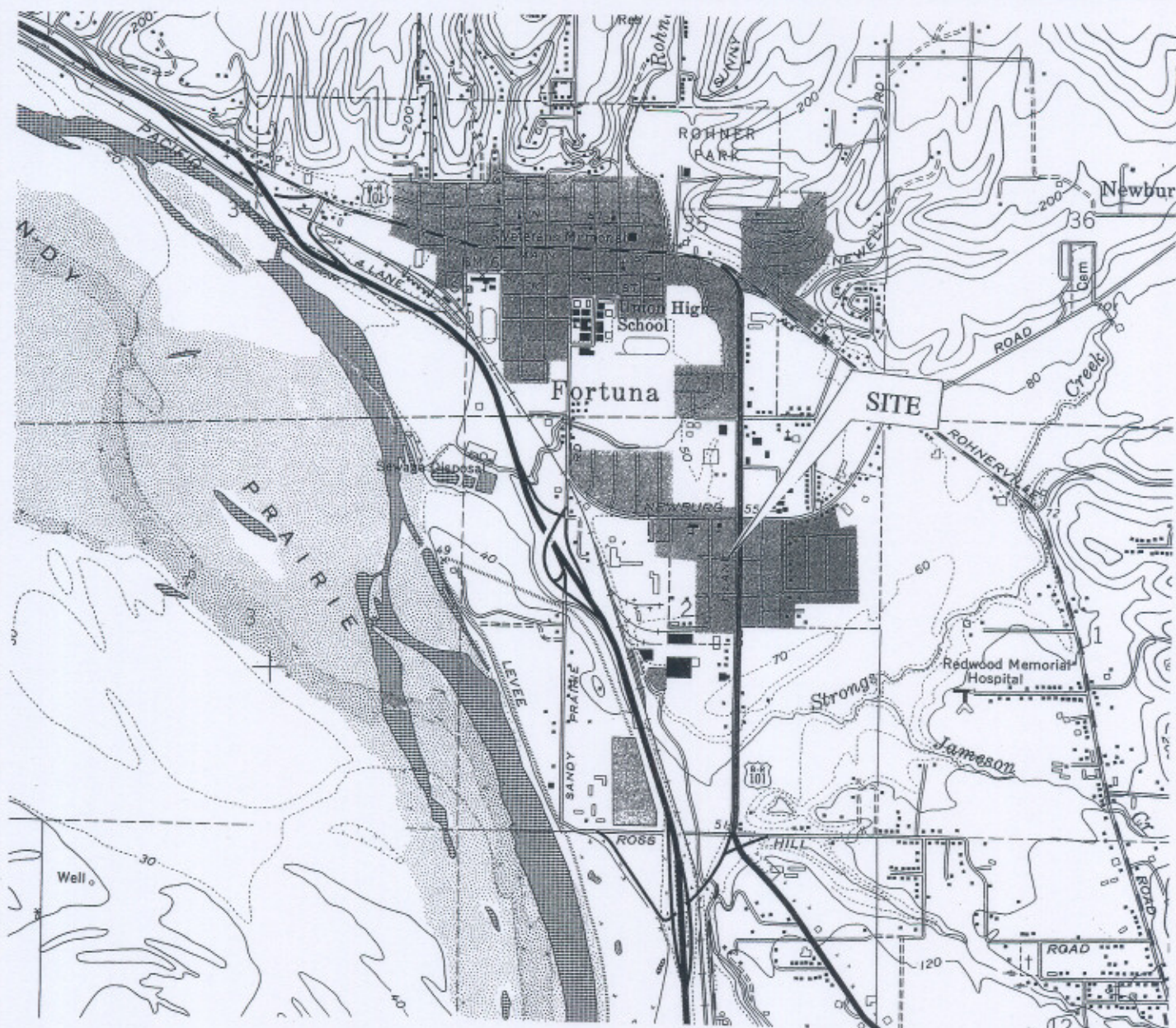


**Table 3**  
**GROUNDWATER MONITORING SCHEDULE**  
Former Totem Pole Market, 580 South Fortuna Boulevard, Fortuna, CA  
Blue Rock Project # NC-40

Well	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Notes
MW-1	X	X	X	X	Impacted well
MW-2	X				ND well
MW-3	X				ND well
MW-4S	X	X	X	X	ND well, new well
MW-4D	X	X	X	X	ND well, new well
MW-5	X	X	X	X	ND well, new well

Samples from monitoring wells will be analyzed for TPHd, TPHg, BTEX and 5 fuel oxys by EPA Method 8015M and 5030/8260B.





MAP SOURCE: USGS Fortuna  
Quadrangle

## Site Location Map

Former Totem Pole Market  
580 South Fortuna Boulevard  
Fortuna, California



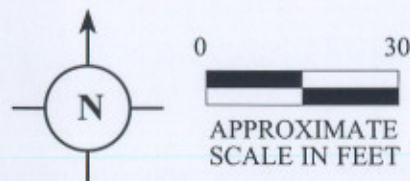
BLUE ROCK  
ENVIRONMENTAL, INC.

Project No.  
NC-40

Date  
1/06

Figure  
1





EXPLANATION	
	MONITORING WELL
	SOIL BORING
	SAMPLE LOCATION
	REMEDIAL EXCAVATION LIMITS

**Site Plan**  
Former Totem Pole Market  
580 S. Fortuna Blvd  
Fortuna, CA

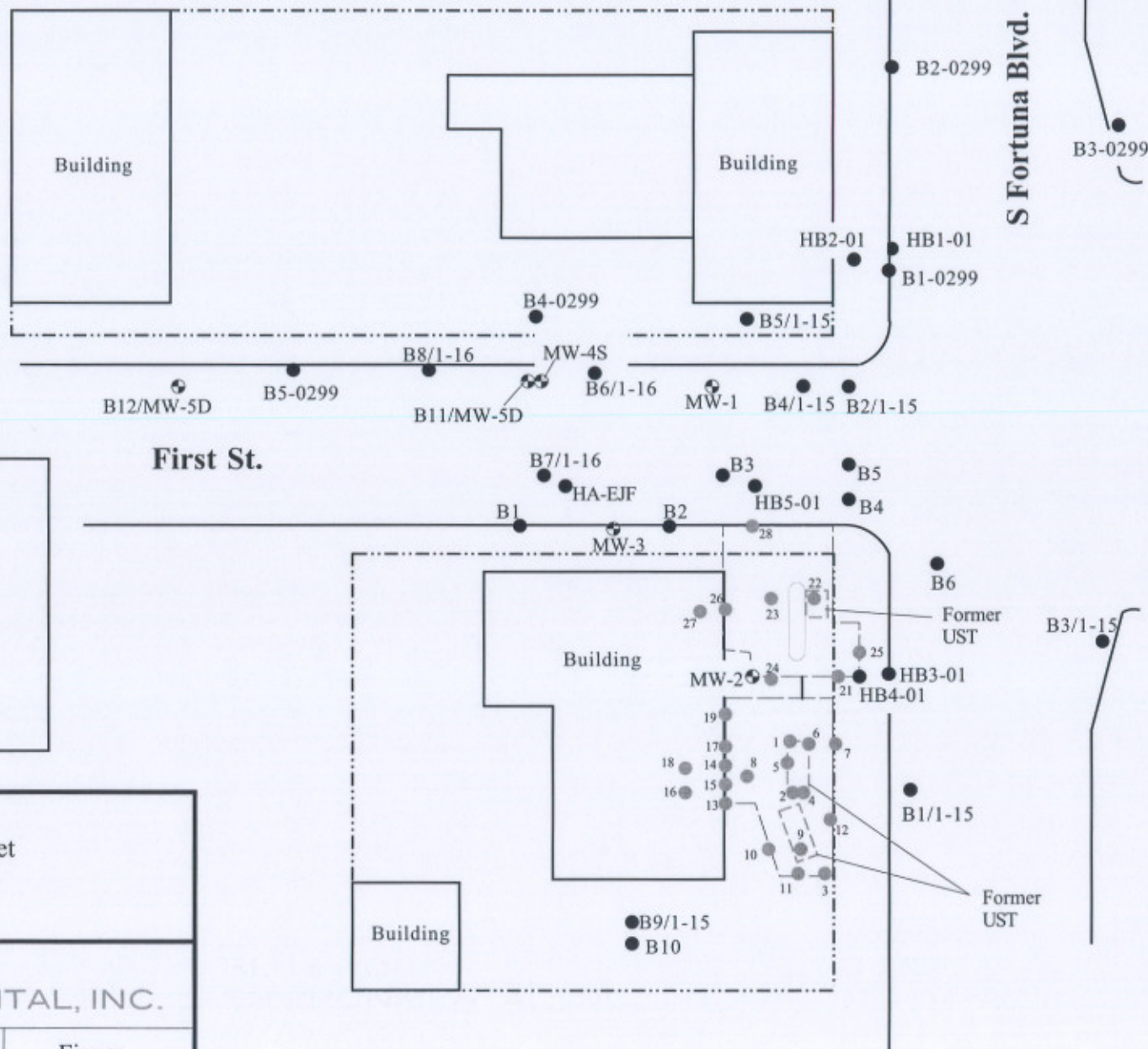


BLUE ROCK  
ENVIRONMENTAL, INC.

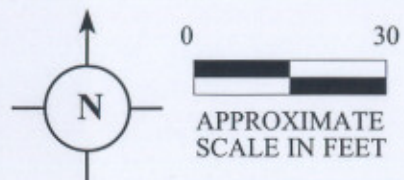
Project No.  
**NC-40**

Figure Date  
**1/06**

Figure  
**2**







#### EXPLANATION

- MW-1 (47.43) Monitoring well and groundwater elevation in feet msl  
\* Data not used in contouring
- 45 Groundwater elevation contour for deep water bearing zone (feet msl)
- 0.078 ft/ft Approximate groundwater flow direction and gradient (deep zone)

#### Groundwater Elevations 12/14/05

Former Totem Pole Market  
580 S. Fortuna Blvd  
Fortuna, CA

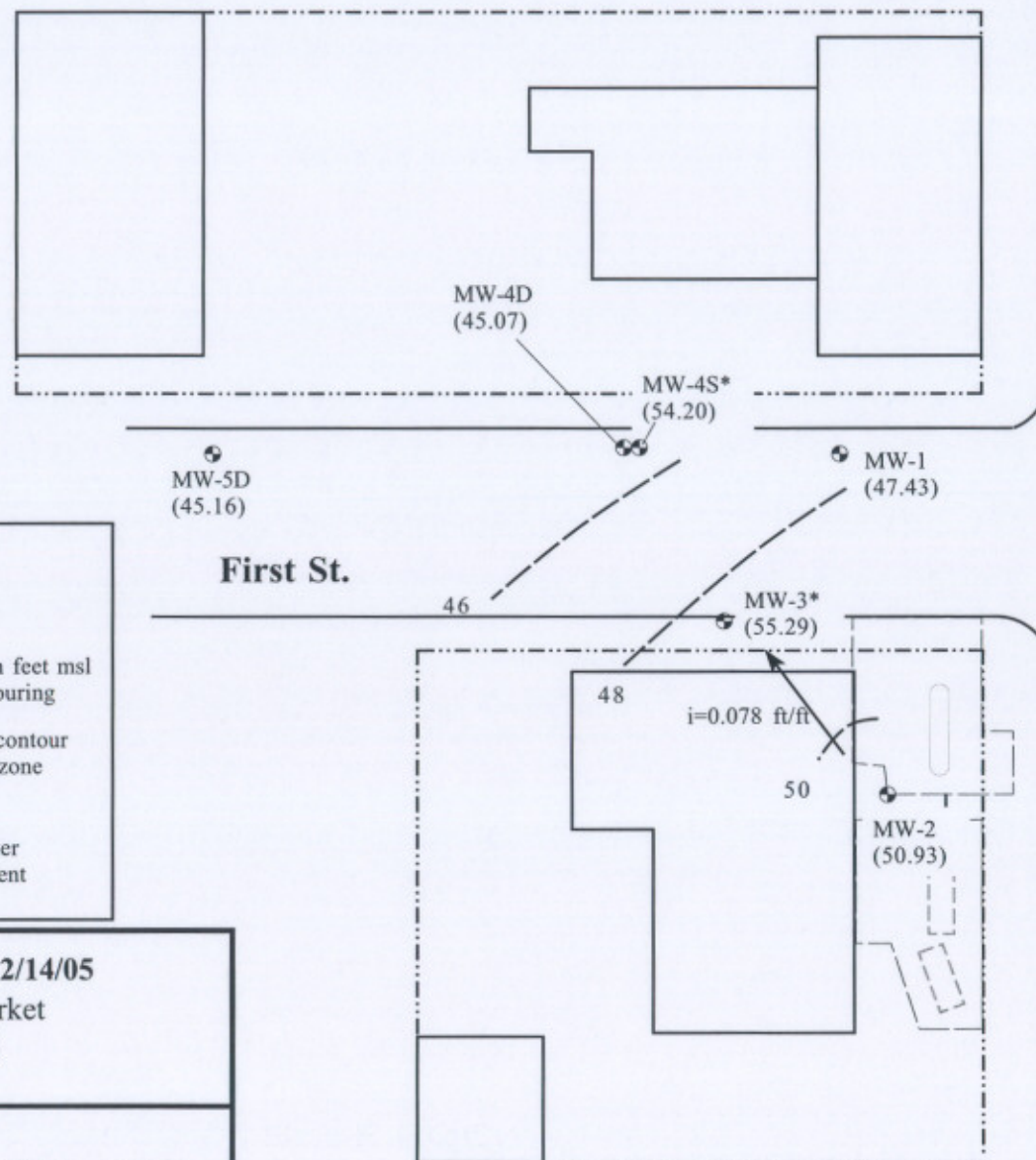


BLUE ROCK  
ENVIRONMENTAL, INC.

Project No.  
NC-40

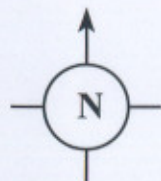
Figure Date  
1/06

Figure  
3



S Fortuna Blvd.





0 30  
APPROXIMATE  
SCALE IN FEET

#### EXPLANATION



MW-1

Monitoring well

MW-1  
TPHg = 1,000  
Benzene = 0.69  
MTBE = <0.5

Groundwater analytical results.  
All results in micrograms per liter.  
<# indicates non-detection of  
chemical above instrument detection  
level.

#### Dissolved-Phase TPHg Distribution 12/14/05

Former Totem Pole Market  
580 S. Fortuna Blvd  
Fortuna, CA

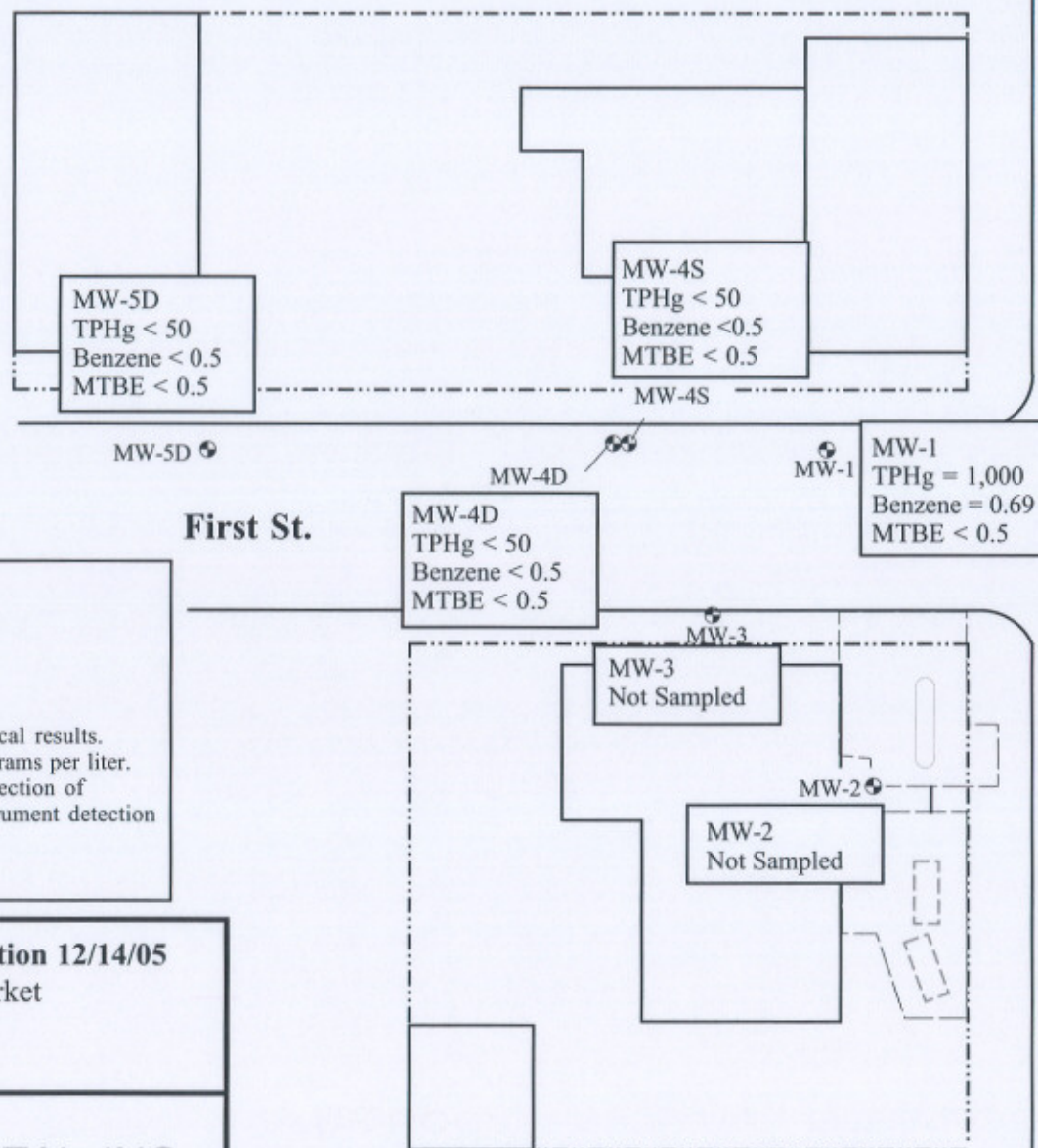


BLUE ROCK  
ENVIRONMENTAL, INC.

Project No.  
NC-40

Figure Date  
1/06

Figure  
4





## GAGING DATA/PURGE CALCULATIONS

Job No.: NC-40 Location: 580 S. Fortuna Blvd. Date: 12/14/05 Tech(s): JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
- MW-1	2"	14.33	11.20	3.13	2.50	1.50	0	
MW-2		14.68	8.04					
MW-3		14.64	3.56					
- MW-4s		18.25	3.95	4.60	0.73	2.19	0	
- MW-4D		8.55	12.96	5.29	0.84	2.52	0	
- MW-5		19.70	12.04	7.66	1.22	3.66	0	

### Explanation:

DIA. = Well Diameter

DTB = Depth to Bottom

DTW = Depth to Water

ST = Saturated Thickness (DTB-DTW)

CV = Casing Volume (ST x cf)

PV = Purge Volume (standard 3 x CV,  
well development 10 x CV)

SPH = Thickness of Separate Phase Hydrocarbons

### Conversion Factors (cf):

2 in. dia. well cf = 0.16 gal./ft.

4 in. dia. well cf = 0.65 gal./ft.

6 in. dia. well cf = 1.44 gal./ft.



BLUE ROCK  
ENVIRONMENTAL, INC.



## PURGING DATA

SHEET 1 OF 2

Job No.: NC-40 Location: 580 S. Fortuna Blvd Date: 12/14/05 Tech: JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
MW-1			---	---	---	Sample for: 5 oxy
Calc. purge	9:55	0.25	607	58.8	6.12	TPHg TPHd 8260
volume	10:00	0.75	634	60.8	6.20	BTEX MTBE Metals
1.50	10:05	1.50	well	dry @		Purging Method:
			≈ 1.0	gallons		PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
clear / mod. / poor / no sheen / odor						Dedicated / Disposable bailer

Sample at: 10:10

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
MW-4S			---	---	---	Sample for: 5 oxy
Calc. purge	9:35	0.25	240	57.0	5.42	TPHg TPHd 8260
volume	9:40	1.25	228	59.2	5.45	BTEX MTBE Metals
2.19	9:45	2.20	well	dry @		Purging Method:
			≈ 1.75	gallons		PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
clear / mod. / poor / no sheen / odor						Dedicated / Disposable bailer

Sample at: 9:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
MW-4D			---	---	---	Sample for: 5 oxy
Calc. purge	9:15	0.25	296	59.3	5.92	TPHg TPHd 8260
volume	9:20	1.50	274	61.1	5.81	BTEX MTBE Metals
2.52	9:25	2.50	well	dry @		Purging Method:
			approx.	1.50	gallons	PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
clear / mod. / poor / no sheen / odor						Dedicated / Disposable bailer

Sample at: 9:30



## PURGING DATA

SHEET 2 OF 2

Job No.: NC-40 Location: 5800 S Fontana Blvd Date: 12/14/05 Tech: JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
MW-5			---	---	---	Sample for: 50xy
Calc. purge	8:55	0.25	492	57.7	7.10	<del>TPHg</del> <del>TPHd</del> 8260
volume	9:00	1.50	360	59.8	6.52	<del>BTEX</del> MTBE Metals
3.66	9:05	3.65	315	60.1	6.40	Purging Method:
						PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
clear / mod. / mod. / no / no						Dedicated / Disposable bailer
						Sample at: 9:10

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
			---	---	---	Sample for: 50xy
Calc. purge						<del>TPHg</del> <del>TPHd</del> 8260
volume						<del>BTEX</del> MTBE Metals
						Purging Method:
						PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
						Dedicated / Disposable bailer
						Sample at:

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
			---	---	---	Sample for: -
Calc. purge						<del>TPHg</del> <del>TPHd</del> 8260
volume						<del>BTEX</del> MTBE Metals
						Purging Method:
						PVC bailer / Pump
COMMENTS: color, turbidity, recharge, sheen						Sampling Method:
						Dedicated / Disposable bailer
						Sample at:





Report Number : 47440

Date : 12/20/2005

Andrew LoCicero  
Blue Rock Environmental, Inc.  
535 3rd Street, Suite 100  
Eureka, CA 95501

Subject : 4 Water Samples  
Project Name : Former Totem Pole Market  
Project Number : NC-40

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff





Report Number : 47440

Date : 12/20/2005

Subject : 4 Water Samples  
Project Name : Former Totem Pole Market  
Project Number : NC-40

## Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample MW-1.

Approved By: \_\_\_\_\_

  
Joe Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800





Report Number : 47440

Date : 12/20/2005

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : MW-1

Matrix : Water

Lab Number : 47440-01

Sample Date : 12/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.69	0.50	ug/L	EPA 8260B	12/18/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethylbenzene	2.5	0.50	ug/L	EPA 8260B	12/18/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Diisopropyl ether (DIPE)	5.3	0.50	ug/L	EPA 8260B	12/18/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-Butanol	8.7	5.0	ug/L	EPA 8260B	12/18/2005
TPH as Gasoline	1000	50	ug/L	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	12/18/2005
4-Bromofluorobenzene (Surr)	90.8		% Recovery	EPA 8260B	12/18/2005
TPH as Diesel (Silica Gel)	< 500	500	ug/L	M EPA 8015	12/17/2005
Octacosane (Diesel Surrogate)	92.0		% Recovery	M EPA 8015	12/17/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800





Report Number : 47440

Date : 12/20/2005

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : **MW-4S**

Matrix : Water

Lab Number : 47440-02

Sample Date : 12/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/18/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/18/2005
4-Bromofluorobenzene (Surr)	87.6		% Recovery	EPA 8260B	12/18/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/17/2005
Octacosane (Diesel Surrogate)	94.6		% Recovery	M EPA 8015	12/17/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800





Report Number : 47440

Date : 12/20/2005

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : **MW-4D**

Matrix : Water

Lab Number : 47440-03

Sample Date : 12/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/18/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	12/18/2005
4-Bromofluorobenzene (Surr)	89.3		% Recovery	EPA 8260B	12/18/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/17/2005
Octacosane (Diesel Surrogate)	95.0		% Recovery	M EPA 8015	12/17/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800





Report Number : 47440

Date : 12/20/2005

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : MW-5

Matrix : Water

Lab Number : 47440-04

Sample Date :12/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/18/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/18/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/18/2005
4-Bromofluorobenzene (Surr)	90.4		% Recovery	EPA 8260B	12/18/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/17/2005
Octacosane (Diesel Surrogate)	95.6		% Recovery	M EPA 8015	12/17/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



**QC Report : Method Blank Data**Project Name : **Former Totem Pole Market**Project Number : **NC-40**

Report Number : 47440

Date : 12/20/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/17/2005
Octacosane (Diesel Surrogate)	93.2		%	M EPA 8015	12/17/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/17/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/17/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	98.0		%	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	99.7		%	EPA 8260B	12/17/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff



## QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 47440

Date : 12/20/2005

Project Name : Former Totem Pole Market

Project Number : NC-40

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	748	753	ug/L	M EPA 8015	12/17/05	74.8	75.3	0.626	70-130	25
Benzene	47454-01	<0.50	39.7	39.0	43.9	42.5	ug/L	EPA 8260B	12/17/05	111	109	1.43	70-130	25
Toluene	47454-01	<0.50	39.7	39.0	43.2	41.4	ug/L	EPA 8260B	12/17/05	109	106	2.44	70-130	25
Tert-Butanol	47454-01	<5.0	198	195	197	200	ug/L	EPA 8260B	12/17/05	99.1	102	3.38	70-130	25
Methyl-t-Butyl Ether	47454-01	14	39.7	39.0	53.9	52.6	ug/L	EPA 8260B	12/17/05	102	100	1.54	70-130	25

KIFF ANALYTICAL, LLC

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Approved By: Joe Kiff





QC Report : Laboratory Control Sample (LCS)

Report Number : 47440

Date : 12/20/2005

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/17/05	102	70-130
Toluene	40.0	ug/L	EPA 8260B	12/17/05	98.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/17/05	99.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/17/05	101	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

Joel Kiff







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Davis, CA 95616  
Lab: 530.297.4800  
Fax: 530.297.4802

SRG # / Lab No.

47440

Page 1 of 1

Project Contact (Hardcopy or PDF To):

Andrew LoCicero

California EDF Report?

☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc.

535 3rd St. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #:

(707) 441-1934

Fax #:

(707) 441-1949

Global ID:

T0602300028

Project #:

NC-40

P.O. #:

EDF Deliverable To (Email Address):

andrew@bluerockenv.com

Project Name:

Former Totem Pole Market

Sampler Signature:

James Linderman

Project Address:

580 S. Fortuna Blvd.

Fortuna, CA

Sampling

Container

Preservative

Matrix

Sample Designation

Date

Time

40 ml VOA

Sleeve

Poly

Glass

Tedlar

HCl

HNO<sub>3</sub>

None

Water

Soil

Air

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb

MTBE (EPA 8260B) @ 0.5 ppb

BTEX (EPA 8260B)

TPH Gas (EPA 8260B)

5 Oxygenates (EPA 8260B)

7 Oxygenates (EPA 8260B)

Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)

Volatile Halocarbons (EPA 8260B)

Volatile Organics Full List (EPA 8260B)

Volatile Organics (EPA 524.2 Drinking Water)

TPH as Diesel (EPA 8015M) Silica gel

TPH as Motor Oil (EPA 8015M)

Total Lead (EPA 6010)

W.E.T. Lead (STLC)

TAT

☐ 12 hr

☐ 24 hr

☐ 48 hr

☐ 72 hr

☒ 1 wk

For Lab Use Only

Relinquished by:

James Linderman

Date

12/14/05

Time

Received by:

Fed Ex

Remarks:

Relinquished by:

Date

Time

Received by:

Bill to:

Relinquished by:

Date

12/5/05

Time

11:20

Received by Laboratory:

James Andrew Kiff Analytical LLC

For Lab Use Only: Sample Receipt

Temp °C

4.6

Initials

JA

Date

12/5/05

Time

11:15

Therm. ID #

FR-1

Coolant Present

(Yes) No